

## C-A MAINTENANCE, MODIFICATIONS, AND REPAIRS SCHEDULE

### RESULTS

R. Zaharatos – March 5, 2001

### SCHEDULE SUMMARY

Maintenance Begins: March 5, 2001, 0400 hrs.  
(3hr cool-down)  
Maintenance Ends: March 5, 2001, 1200 hrs.  
Actual End – 1630 hrs.

Machine Areas Access:	Booster	Controlled Access
	AGS	Controlled Access
	SEB	Controlled Access - Switch Yd.
		Restricted Access - "A" Tgt.
	ATR/U Line	Controlled Access
	Linac	Controlled Access

### C-A POWERED TESTING REQUESTS

### BOOSTER RING

**RS** 1. Test DH1 with ramping function

### PRIMARY JOBS

JOBS STATUS CODE: **C** complete **IP** in-process **RS** reschedule **CAN** cancelled

### AGS RING EQUIPMENT

- C** 1. All RF Stations - install upgrade for gap shorting relay resistors(3hrs)
- C** 2. Inspect/ repair RC networks(starting with K10 to L10, may expand depending on results)2hrs – K16 – Replaced hybrid
- C** 3. Back-flush F10 Septum(2hrs) - Flow okay – No back flush
- C** 4. Check F5 Septum water flow (Flow chkd=2.75 gpm) 2 psi dp at bag filter)
- C** 5. Repair G7 PUE(Beam Components) – Gain change will be done externally
- C** 6. Repair K3 PUE(RF Grp) (Found disconnected BNC)
- C** 7. A20 – Inspect carbon wires (Mahler) - Okay
- C** 8. C20 – Inspect carbon wires (Mahler) - Okay

### AGS EXTERNAL EQUIPMENT

- C** 1. Repair water systems PLC Communicator for SEM, RF Power, and RF Cavity - requires shutdown of water systems for RF Power and SEM.(1hr)
- C** 2. Power shutdown for Bldg. 921 PASS Sys. UPS to inspect neutral and grounds.(1hr)
- C** 3. 911B – Install Math Associates F/O TX module in chassis
- C** 4. A10, E10, & H10 Houses - Update firmware in V113 MADC controller boards. Controller chassis will have to be turned off for about 10 min.

## **BOOSTER RING EQUIPMENT**

- C** 1. Vacuum - reset RGA in BTA Line
- C** 2. Vacuum - install remote reset for BTA RGA(1hr).
- C** 3. E3 Tuner Meter – Check interlocks (Found bad air vane switch, temporarily jumpered out)

## **BOOSTER EXTERNAL EQUIPMENT**

- RS** 1. Exchange Booster Berm TLD's(HP)
- C** 2. 930UEB - Checkout status readback problem with BIJ.KDHD1.STAT and BMM/TDHD1.STAT

## **G-2**

- C** 1. Change resistors on kicker mods(3hrs)
- C** 2. Inspect Inflector vacuum and change oil if necessary(2hrs)
- RS** 3. Cryo refrigerator maintenance(1hr)
- Can** 4. Repair leak in large compressor(2-6hrs)
- C** 5. Remove Cerenkov Counter(1hr)
- C** 6. Remove isobutane(1hr)
- C** 7. Repair regulator to main magnet P.S..(1hr)
- C** 8. Upgrade controls air line for P.S. water pump(2hrs)
- C** 9. "V" Tgt. water cooling - change deionizer cartridge – Also replaced bad solenoid for deionizer flow control.

## **SEB**

- C/RS** 1. "A" Tgt.Cave - re-cable transport magnets and test(4hrs) – A1Q1 – had to replace rad. damaged klixons and wiring - Complete except for testing (1 hr)
- C** 2. Change "C" Tgt. Sec.

## **SHUTDOWN SCHEDULE**

<u>5 Mar</u>	0400	G-2 off, begin Trolley Run. Maintenance period begins(cool-down) All equipment to off except for equip. involved in Trolley Run.. Begin Controlled Access LOTO for the Booster and AGS Rings Open padlocks for B Fan Hse.
	0630	Pump out B Fan Hse. sump
	0700	HP cursory and job specific surveys of AGS Ring
	0800	HP cursory and job specific surveys of Booster Ring
	0830	AGS Ring Controlled Access entries
	0900	Booster Ring Controlled Access entries HP survey of "C" Tgt. for sec change
	0930-1030	PASS Sys. UPS power shutdown(Bldg. 921)
	1100	Booster Access ends – remove LOTO
	1200	AGS Ring access ends - remove LOTO Maintenance ends.
	1200	Booster turn-on for beam

